



Atty. Docket No: D-2003-0079

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner of Patents and Trademarks
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the (X) utility, () design, () plant patent application of:

INVENTORS: JOHN T. APOSTOLOS and PATRICK D. McKIVERGAN

FOR: HEMISPHERICAL MEANDER LINE LOADED ANTENNA

Enclosed are:

(X) 14 pages of specification (X) Abstract
(X) Oath or Declaration (X) Power of Attorney
(X) 3 pages of (X) Formal () Informal Drawings.

() An assignment of the application to:

() Preliminary Amendment () Information Disclosure Statement
() Oath or Declaration
() Associate Power of Attorney () Power of Attorney
() Verified Statement under 37 CFR 1.9 and 1.27 claiming small entity
() Petition for One-Month Extension of Time

The filing fee is calculated as follows:

FOR	NUMBER FILED	NUMBER EXTRA	CLAIMS AS FILED		AMOUNT
			LARGE	SMALL	
BASIC FEE					
Utility	xxxxxx	xxxxxx	\$770.00	\$385.00	\$ 770.00
Design	xxxxxx	xxxxxx	\$340.00	\$170.00	\$ 00.00
Plant	xxxxxx	xxxxxx	\$530.00	\$265.00	\$ 00.00
Total Claims	13 - 20	0	0 x \$18.00	x \$ 9.00	\$ 0.00
Independent Claims	4 - 3	1	1 x \$86.00	x \$ 43.00	\$ 86.00
Multiple Dependency			\$290.00	\$145.00	\$ 00.00
Late Fee Surcharge			\$130.00	\$ 65.00	\$ 00.00
Non-English Language Fee			\$130.00		\$ 0.00
Assignment Recording Fee			\$ 40.00	\$ 40.00	\$ 0.00
TOTAL					\$856.00



() A check in the amount of \$ _____ to cover the filing fee is enclosed.

() A check in the amount of \$ _____ to cover the cost of the Assignment Recording Fee is enclosed.

() This application is filed under the provisions of 37 C.F.R. 1.53, and does not include:

- () Oath or Declaration
- () Filing Fee

(X) The Commissioner is hereby authorized to charge payment of the following fees or credit any overpayment to **Deposit Account No. 19-0130**. A duplicate copy of this sheet is enclosed.

- (x) Any additional filing fees required under 37 C.F.R. 1.16
- (x) Any patent application processing fees under 37 C.F.R. 1.17
- () The Issue Fee set in 37 C.F.R. 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b)

() Priority is claimed under 35 U.S.C. 119 based on the following:

Serial No.	Date Filed	Country
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_____	_____	_____
_____	_____	_____

() Certified copy (copies) enclosed.


Date:

Nov. 11, 2003

ADDRESS:

TELEPHONE:

FAX:


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D-2003-0079

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **John T. Apostolos and Patrick D. McKivergan**

Express Mail Label No: EL 970755572 US

Date of Deposit: Nov. 11, 2003

Filed: On Even Date Herewith

For: **HEMISPHERICAL MEANDER LINE LOADED ANTENNA**

PATENT APPLICATION AND
CERTIFICATE OF EXPRESS MAILING

Commissioner of Patents & Trademarks
U.S. Patent and Trademark Office
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 35 U.S.C. 21(a) as amended by Public Law 97-247 and 37 C.F.R. 1.10, the above-identified Applicants enclose for filing the attached Patent Application entitled **HEMISPHERICAL MEANDER LINE LOADED ANTENNA**. This application includes 14 sheets of specification, 3 sheets of formal informal drawings.

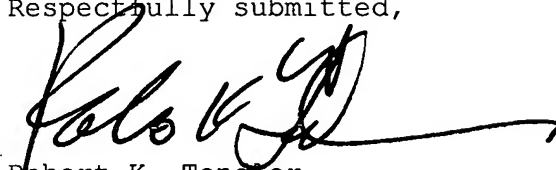
The Commissioner is authorized to charge the filing fee of \$856.00 to Deposit Account No. 19-0130.

This Application is being filed on Nov. 11, 2003 by mailing an application to Commissioner of Patents & Trademarks, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450, via the United States Postal Service under 37 C.F.R. 1.10. The Express Mail Label number appears in the heading of this paper which is attached to the Application papers pursuant to 37 C.F.R. 1.10(b).

All correspondence concerning this Application should be sent to:

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Respectfully submitted,



Robert K. Tendler
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Date: Nov. 11, 2003

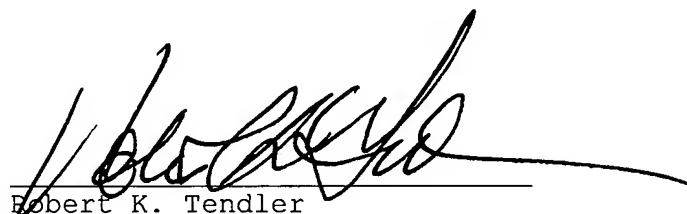
CERTIFICATE OF MAILING

"Express Mail" Mailing Label No: EL 970755572 US

Date of Deposit: Nov. 11, 2003

I hereby certify that this paper, fee and attachments are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450.

Date: Nov. 11, 2003


Robert K. Tendler